

Report Date: 25 Jun 2014

Summary Report for Individual Task
551-8ST-3017
Conduct Maintenance of Portable Fire Fighting Equipment
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD1 - The materials contained in this course have been reviewed by the course developers in coordination with the FT. LEE, VA 23801 foreign disclosure authority. This course is releasable to students from all requesting foreign countries without restrictions.

Condition: Assigned as acrew member, given a completed risk assessment, vessel technical manual (TM), local Standard Operating Procedure (SOP),a vessel at sea, at anchor or moored alongside the pier, personal protective equipment (PPE), lock out tag out kit, and a marine rail toolbox, day or night in all sea and weather conditions and all MOPP levels in an operational environment scenario. Standard MOPP 4 conditions do not exist for this task. See the MOPP 4 statement for specific conditions.

Standard: Conduct maintenance of portable fire fighting equipment in accordance with the TM, SOP without injury to personnel or damage to equipment. The vessel is fully mission capable at task completion.

Special Condition: None

Safety Risk: Low

MOPP 4: N/A

Task Statements

Cue: N/A

NONE

DANGER

WARNING

CAUTION

Remarks: None

Notes:

Performance Steps

1. Conduct maintenance on CO2 fire extinguishing system.
 - a. hydrostatically tested every 12 years.
 - b. inspect CO2 bottles for:
 - (1) bulging
 - (2) leak
 - (3) dented
 - (4) severely corroded
 - (5) have been involved in a fire
 - (6) if it lost more than 5% of their tare weight
 - c. retest prior to recharging cylinder that has been discharged and more than 5 years has elapsed since last service.
 - d. stamped the test date into the shoulder of the bottle by month-year
 - e. inspect the hoses and flexible loop.
 - (1) check for obstruction or clogged nozzles
 - (2) check for damage couplings or swivel joints
2. Conduct maintenance on portable fire fighting equipment
 - a. conduct maintenance on the mechanical parts.
 - (1) check the shell
 - (2) check the nozzle or horn
 - (3) check the hose assembly
 - (4) check the valve locking device
 - (5) check the pressure gauge or pressure-indicating device
 - (6) check the cylinder valve
 - (7) check the nozzle shutoff valve
 - (8) check the puncture mechanism
 - (9) check the carrying handle

(10) check the brackets

b. conduct maintenance on agent and expelling means.

(1) check foam for:

(a) recharging date due

(b) agent condition

(2) check carbon dioxide for:

(a) improper weight

(b) broken or missing tamper indicator

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the soldier a GO if all performance measures are correctly completed/pass (P). Score the Soldier a NO-GO if any of the performance measures are missed or incorrectly performed/fail (F).

Evaluation Preparation: Evaluation Preparation: Safety precautions must be adhered to when performing the task listed in accordance with the prescribed technical manual. Ensure that all LOCK OUT/TAG OUT procedures are followed. Ensure that all required equipment to perform this task is available. Brief Soldier to perform preventive maintenance checks and services on the portable fire fighting equipment.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Conduct maintenance on CO2 fire extinguishing system			
a. inspect CO2 bottles			
(1) bulging			
(2) leak			
(3) dented			
(4) severely corroded			
(5) stamped date			
b. inspect the hoses and flexible loop.			
(1) check for obstruction or clogged nozzles			
(2) check for damage coupling or swivel joints			
2. Conduct maintenance on portable fire fighting equipment.			
a. conduct on the mechanical parts			
(1) check the shell or cylinder			
(2) check the nozzle or horn			
(3) check the hose assembly			
(4) check the valve locking device			
(5) check the pressure guage			
(6) check the cylinder valve			
(7) check the nozzle shutoff valve			
(8) check the puncture mechanism			
(9) check the carrying handle			
(10) check the brackets			
b. conduct maintenance on agent and expelling means			
(1) check foam			
(a) recharging date			
(b) agent condition			
(2) check carbon dioxide			
(a) improper weight			
(b) broken or missing tamper indicator			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	46 CFR 90-139	Code of Federal Regulations Shipping	No	No
	NFPA 10	Standard for Portable Fire Extinguishers 2002 Edition	No	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. NOTE: Instructor should conduct a Risk Assessment to include Environmental Considerations IAW FM 3-34.5, Environmental Considerations {MCRP 4-11B}, and ensure students are briefed on hazards and control measures.

It is the responsibility of all Soldiers and DA civilians to protect the environment from damage. AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel and Facilities (DOTMLPF) and ensure all training procedures; materials and doctrine include sound environmental practices and considerations. The Army's environmental vision is to be a national leader in an environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. This Training Support Package meets this standard.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and

weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. No food or drink is allowed near or around electrical equipment (CPU, file servers, printers, projectors, etc.) due to possible electrical shock or damage to equipment. Exercise care in personal movement in and through such areas. Avoid all electrical cords and associated wiring. In event of electrical storm, you will be instructed to power down equipment. Everyone is responsible for safety. A thorough risk assessment must be completed prior to every mission or operation.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
551-88L-3054	Troubleshoot Fire Fighting Equipment	551 - Transportation (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-8ST-4019	Direct the Maintenance of a Portable Fire Fighting Equipment	551 - Transportation (Individual)	Approved
551-88L-3054	Troubleshoot Fire Fighting Equipment	551 - Transportation (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-0051	Conduct On-Board Firefighting Operations	55 - Transportation (Collective)	Approved
55-2-0046	Conduct Firefighting Operations	55 - Transportation (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88K Watercraft Operator SL 4	Enlisted	MOS: 88K, Skill Level: SL4, Duty Pos: TFJ
MOS 88K Watercraft Operator SL3	Enlisted	MOS: 88K, Skill Level: SL3, Duty Pos: TAV
88L40 Watercraft Engineer	Enlisted	MOS: 88L, Skill Level: SL4, Duty Pos: TGB, LIC: EN, SQI: O
88L30 Watercraft Engineer	Enlisted	MOS: 88L, Skill Level: SL3, Duty Pos: TFR, LIC: EN